Department of Nuclear Engineering

Course Information on NE 21051 (Analytical Method for Nuclear Engineering I)

(2019-2020) Academic Year

No	Course Information	
1	Unit name:	Analytical Method for Nuclear Engineers I
2	Code:	NE 21051
3	Classification:	General Course
4	Credit value:	3
5	Semester/ Year Offered:	1/2
6	Pre-requisite:	NA
7	Mode of delivery:	Lecture, Presentation, Discussion, Practical, Tutorial
8	Assessment system and breakdown of marks:	Examination, Class activity, Report, Presentation
	Performance	5%
	Report and presentation	20%
	Class Test	15%
	Mid-term/ final Examination	60%
9	Academic staff teaching unit:	Department of Nuclear Engineering
10	Course outcome of unit: In this course, students will be able (a) Recognize the terms used in statistical analysis (b) Differentiate between descriptive and inferential statistics (c) Describe their analysis result (d) Perform analysis in their field of interest statistically	
11	Synopsis of unit: The course introduces students to the statistical analysis of data. It includes collecting data, describing data, summarizing data. And the course covers probability distribution to help understand making decision in the data analysis. The course also introduces inferential statistics. The knowledge and skill obtained from this course can be applied in the systematical analysis in the student's research work.	
12	Topic: 1. Introduction to the statistics 2. Describing Data set 3. Summarizing Data Set	

	4. Probability Distribution
	5. Principle of Inference
14	Main references: Introductory Statistics
15	Additional references: 1.